

FIG. 1

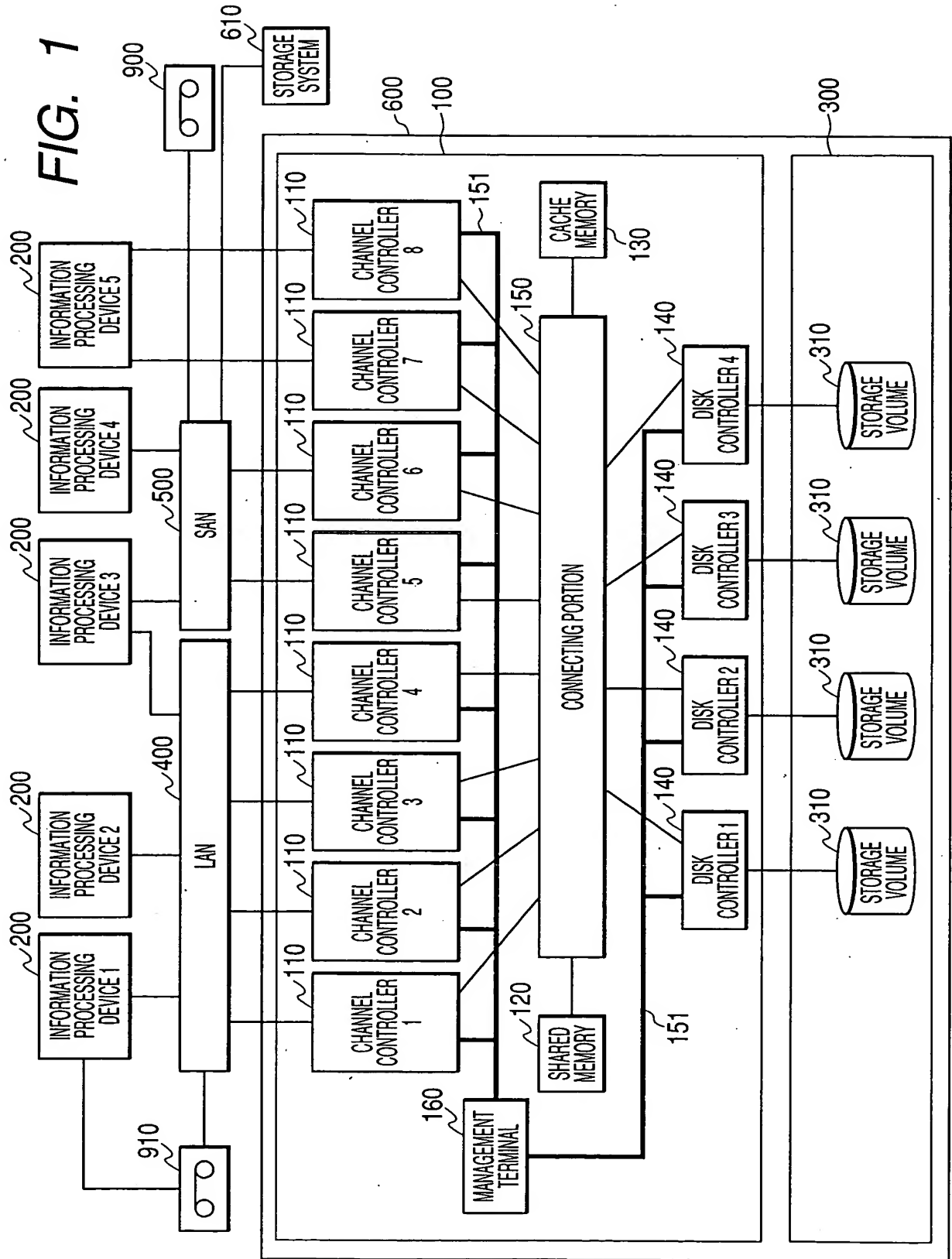


FIG. 2

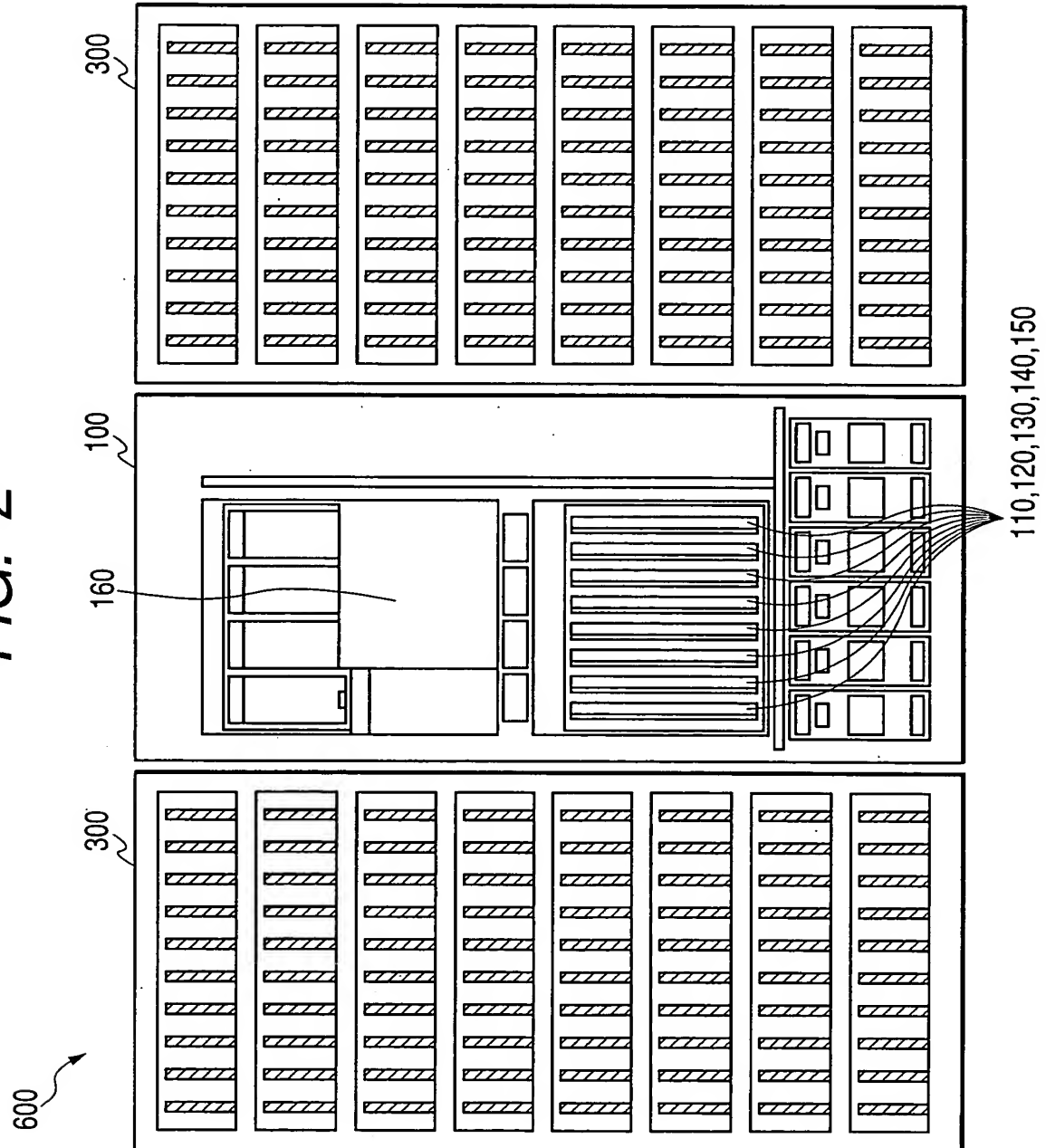


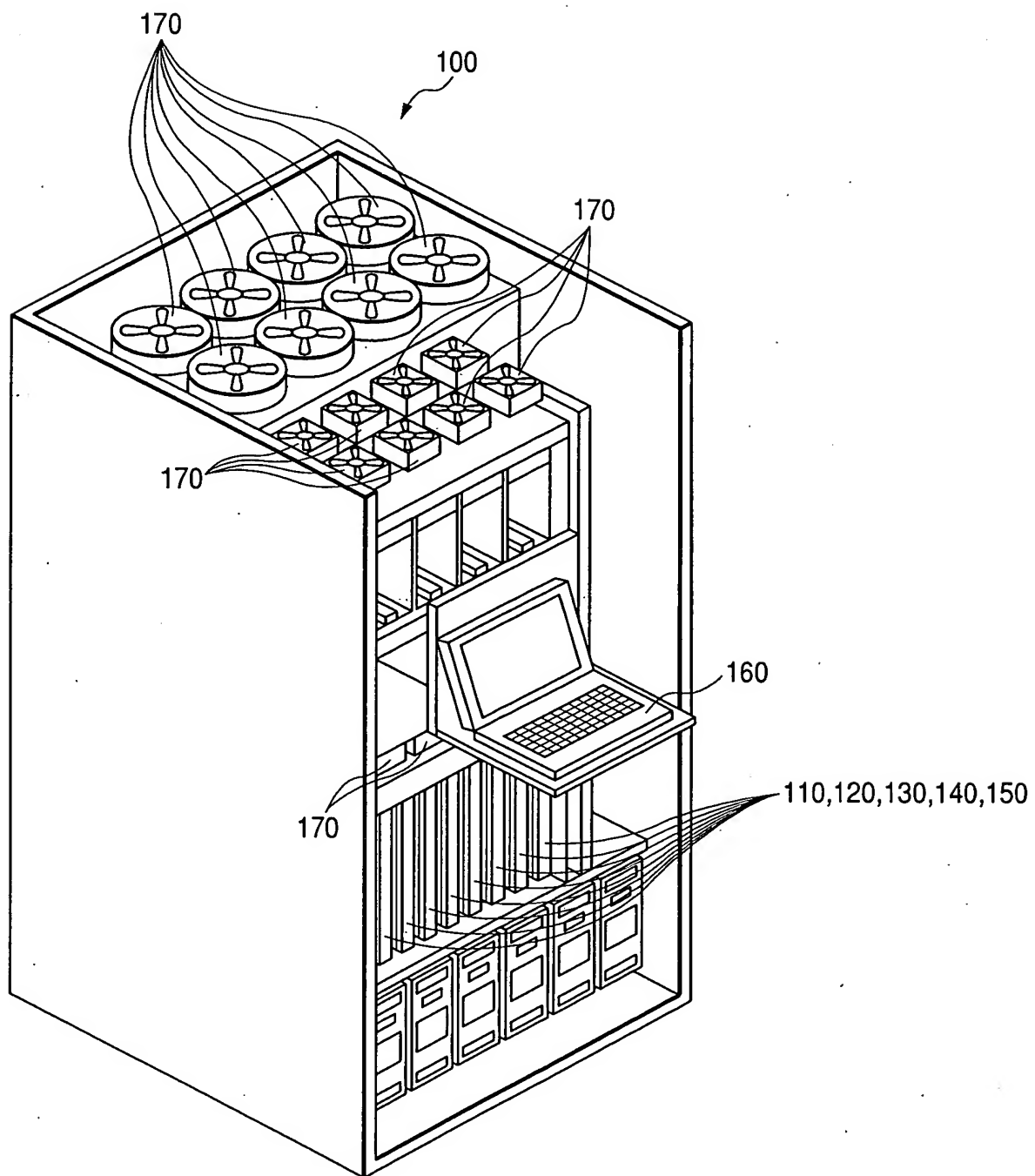
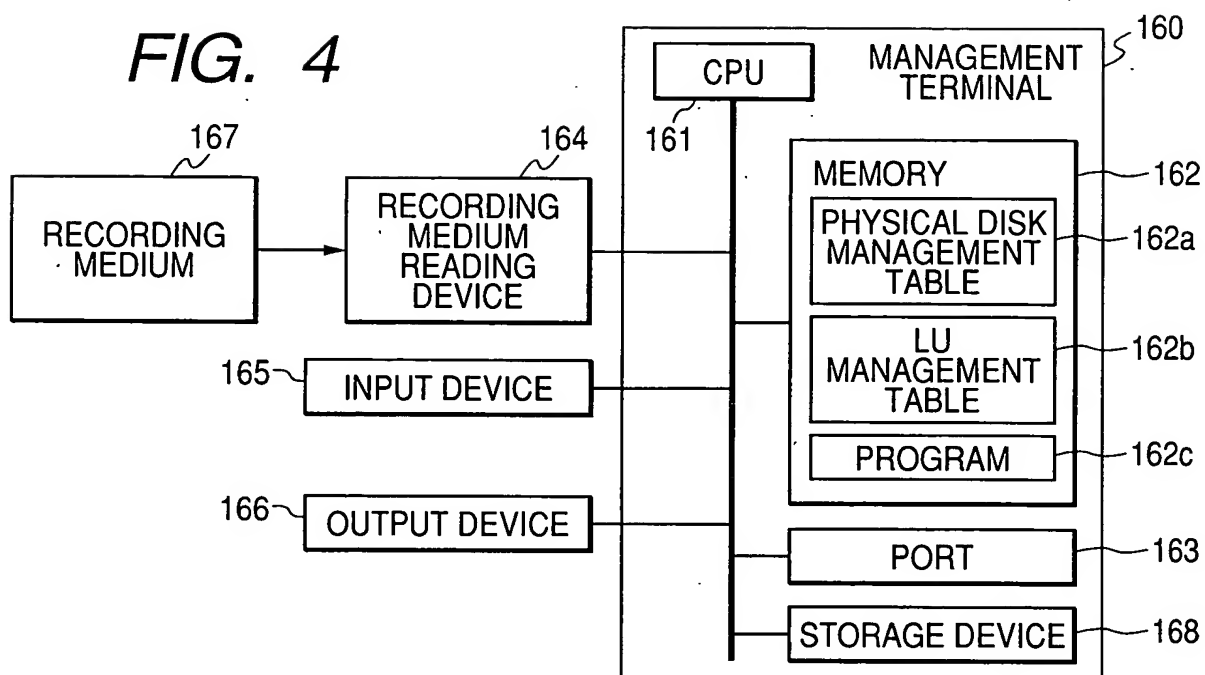
FIG. 3

FIG. 4**FIG. 5**

162a PHYSICAL DISK MANAGEMENT TABLE

DISK NUMBER	CAPACITY	RAID	USE CONDITION
#001	100GB	5	OCCUPIED
#002	100GB	5	OCCUPIED
#003	100GB	5	OCCUPIED
#004	100GB	5	OCCUPIED
#005	100GB	5	OCCUPIED
#006	50GB	—	UNOCCUPIED
⋮	⋮	⋮	⋮

FIG. 6

162b LU MANAGEMENT TABLE

LU NUMBER	PHYSICAL DISK	CAPACITY	RAID
#1	#001,#002,#003,#004,#005	100GB	5
#2	#001,#002,#003,#004,#005	300GB	5
#3	#006,#007,	200GB	1
⋮	⋮	⋮	⋮

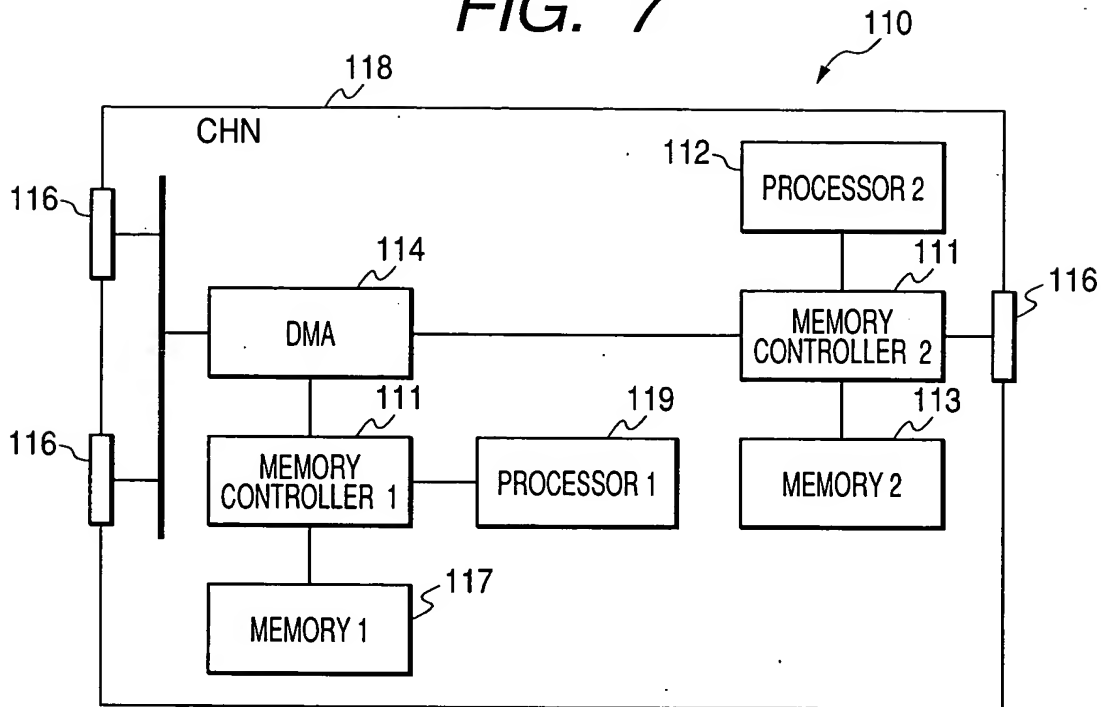
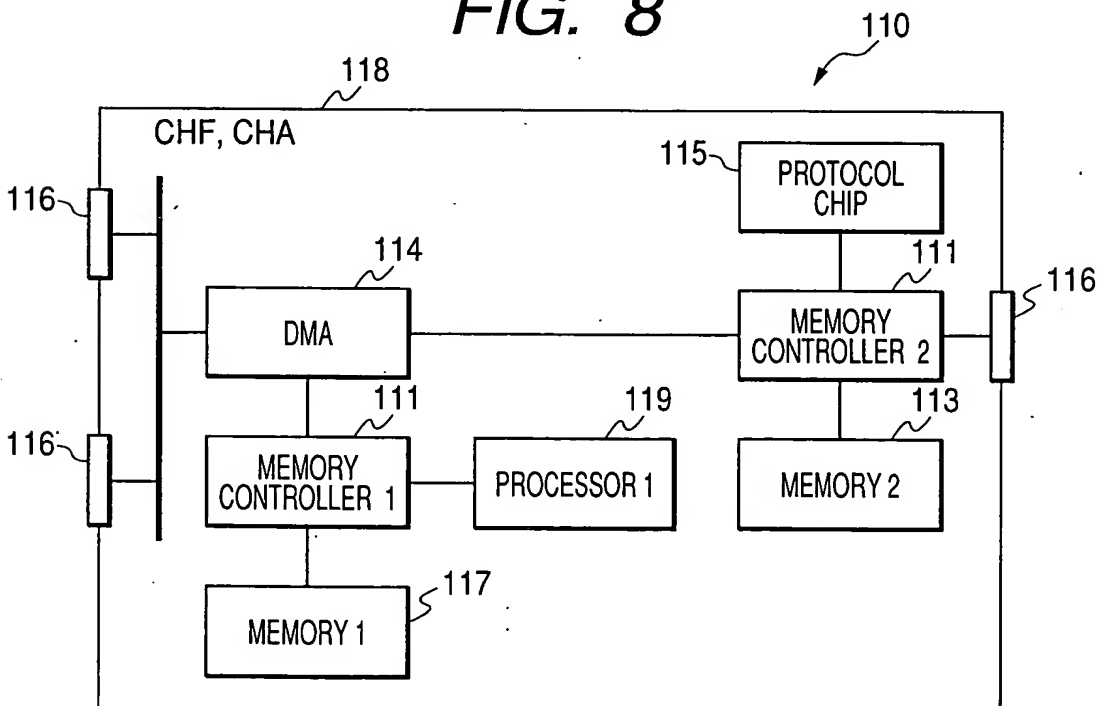
FIG. 7**FIG. 8**

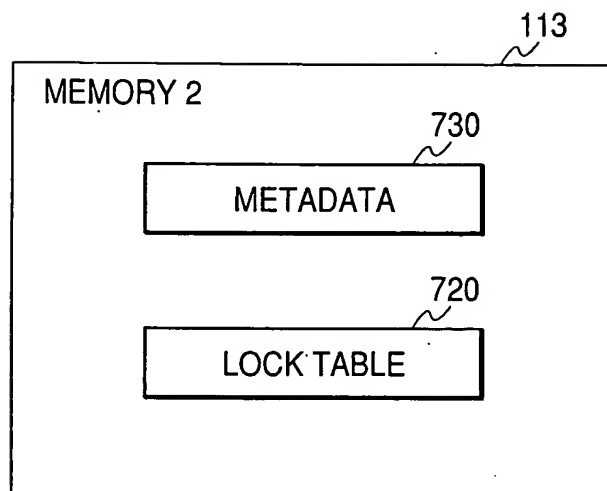
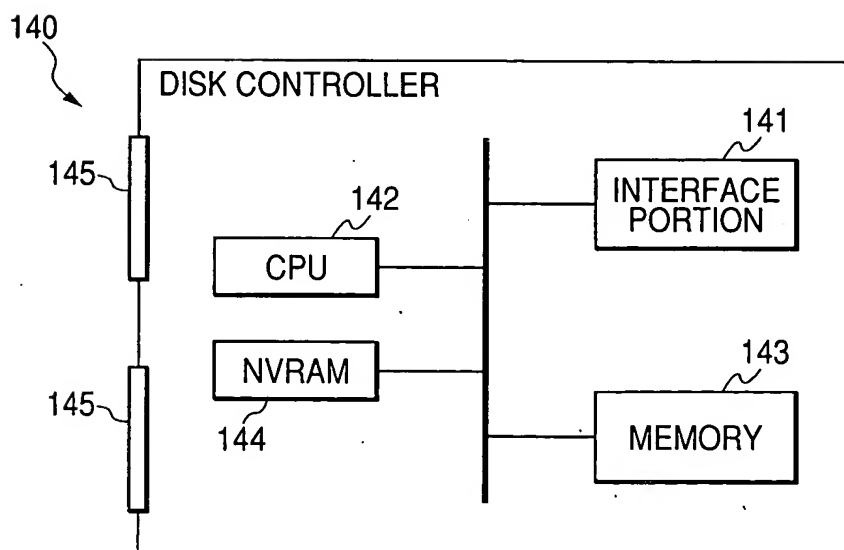
FIG. 9*FIG. 10*

FIG. 11

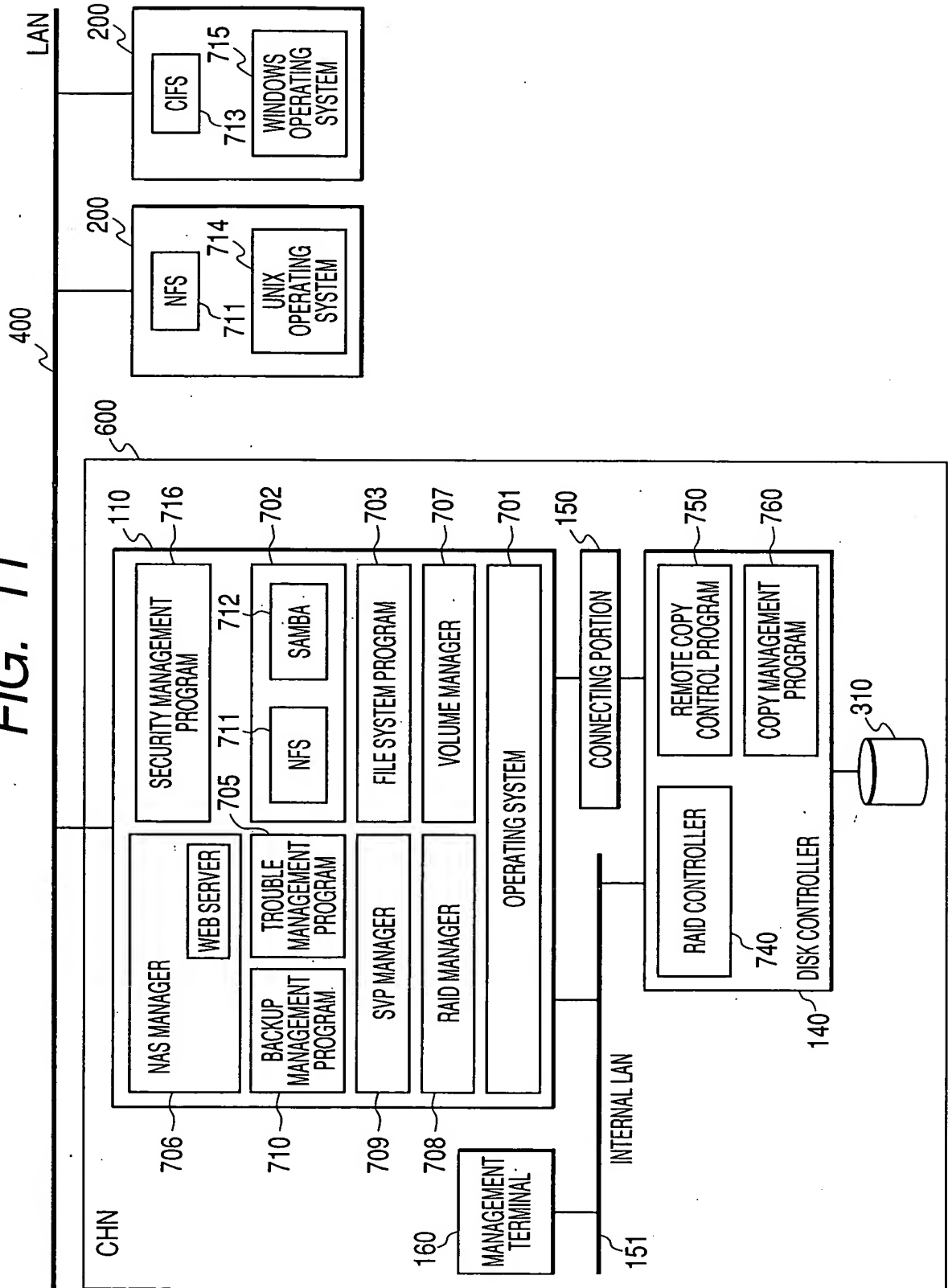


FIG. 12

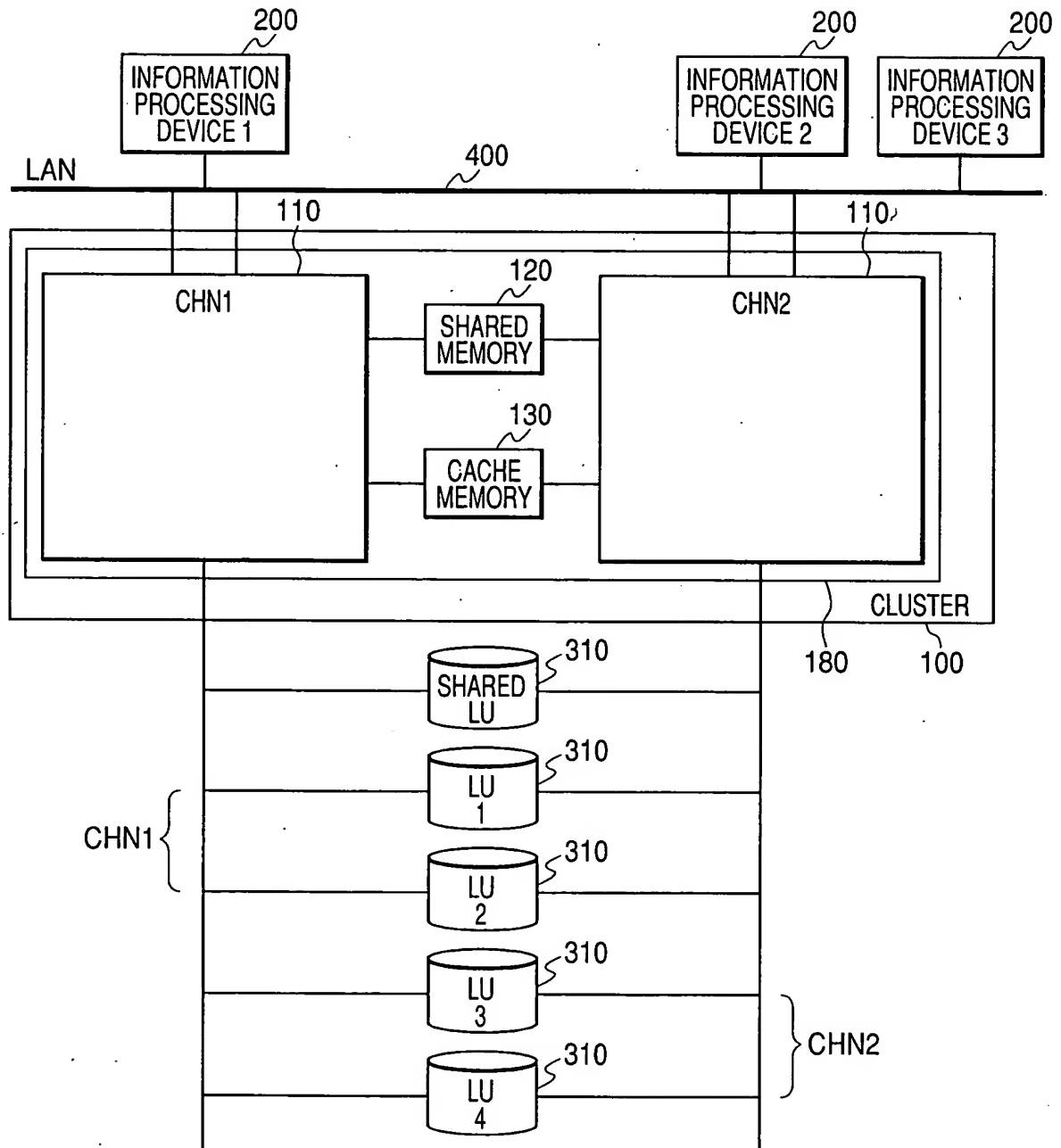


FIG. 13

730

METADATA

FILE NAME	HEAD ADDRESS	CAPACITY	OWNER	RENEWAL TIME
A	7BSA	200MB	X	0 : 00
B	05BF	50MB	X	7 : 57
C	1F30	100MB	Y	9 : 15
D	470B	100MB	Z	15 : 20
⋮	⋮	⋮	⋮	⋮

FIG. 14

721

FILE LOCK TABLE

FILE NAME	LOCK STATE
A	UNDER LOCK
B	—
C	—
D	UNDER LOCK
⋮	⋮

722

LU LOCK TABLE

LU	LOCK STATE
SHARING	—
1	UNDER LOCK
2	—
⋮	⋮

FIG. 15

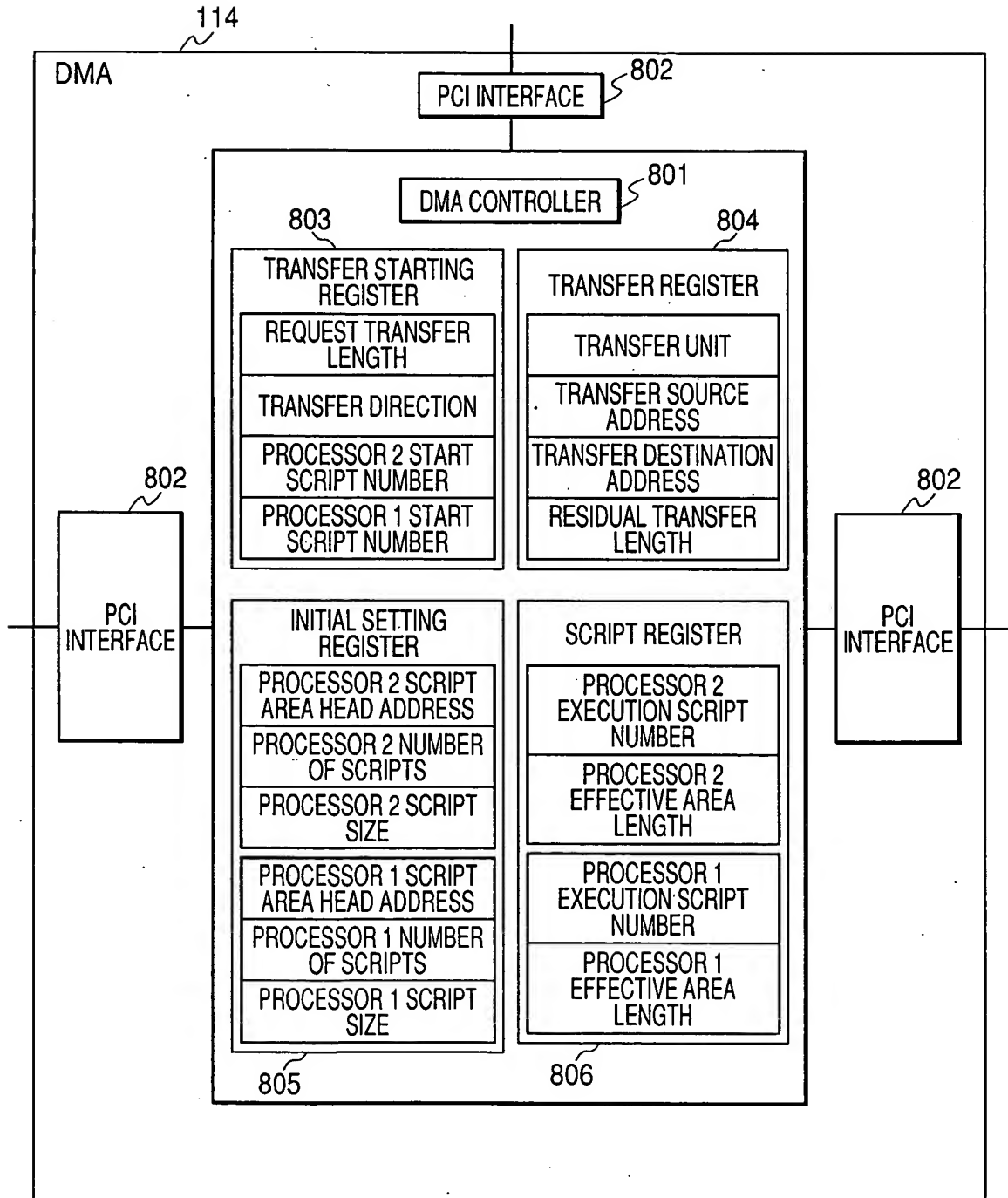


FIG. 16

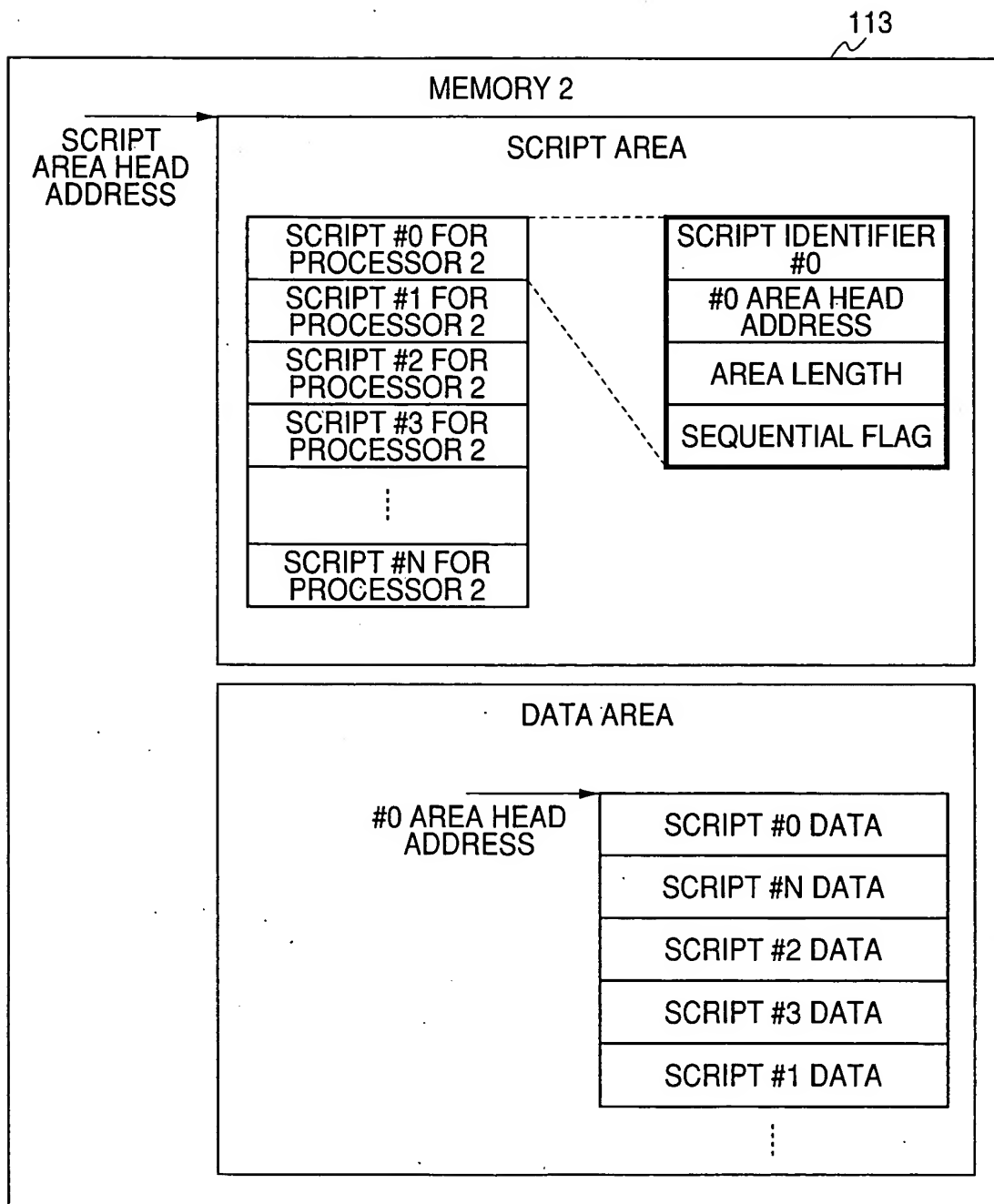


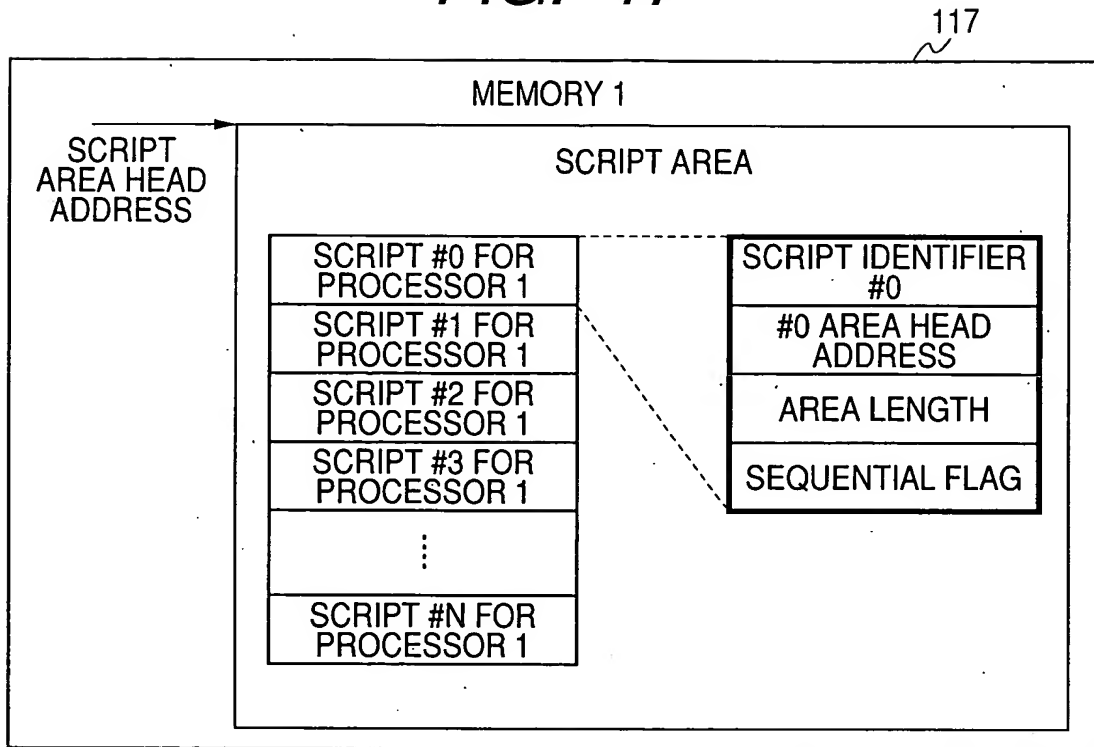
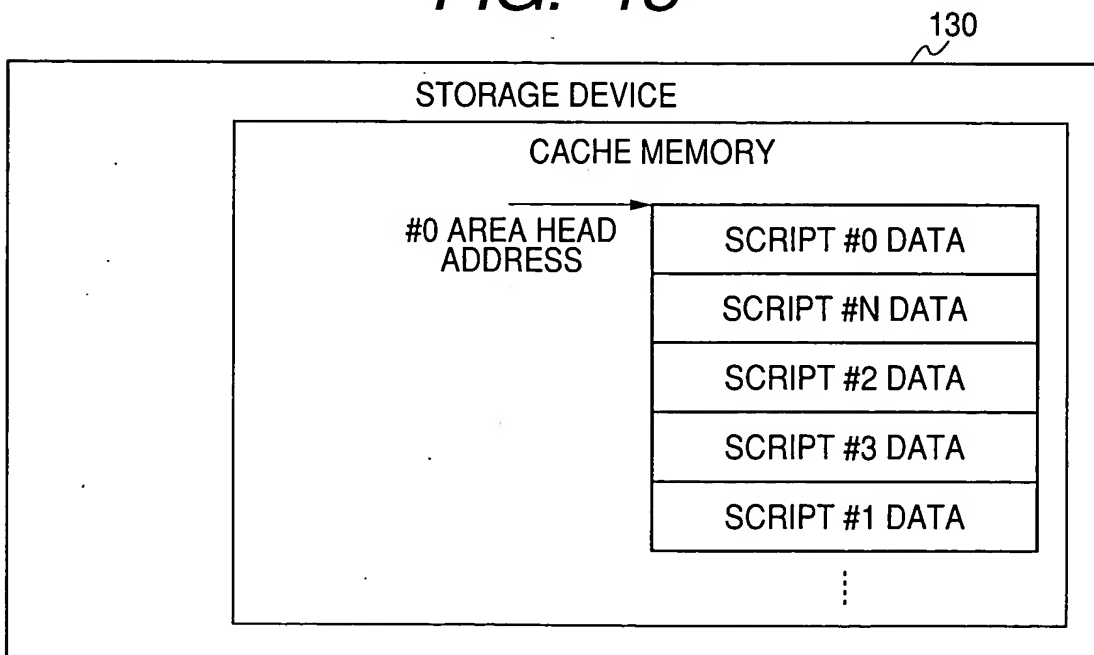
FIG. 17**FIG. 18**

FIG. 19

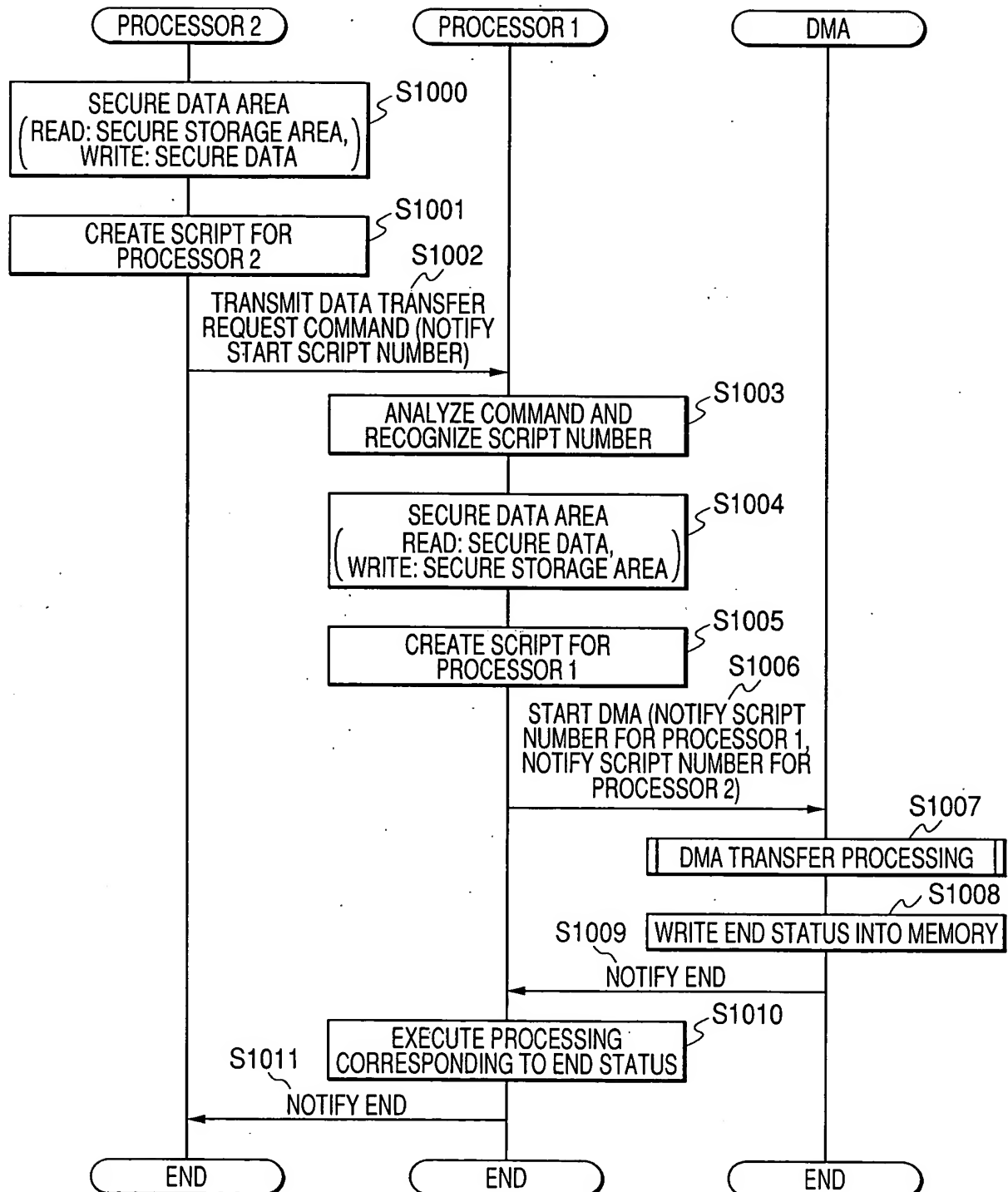


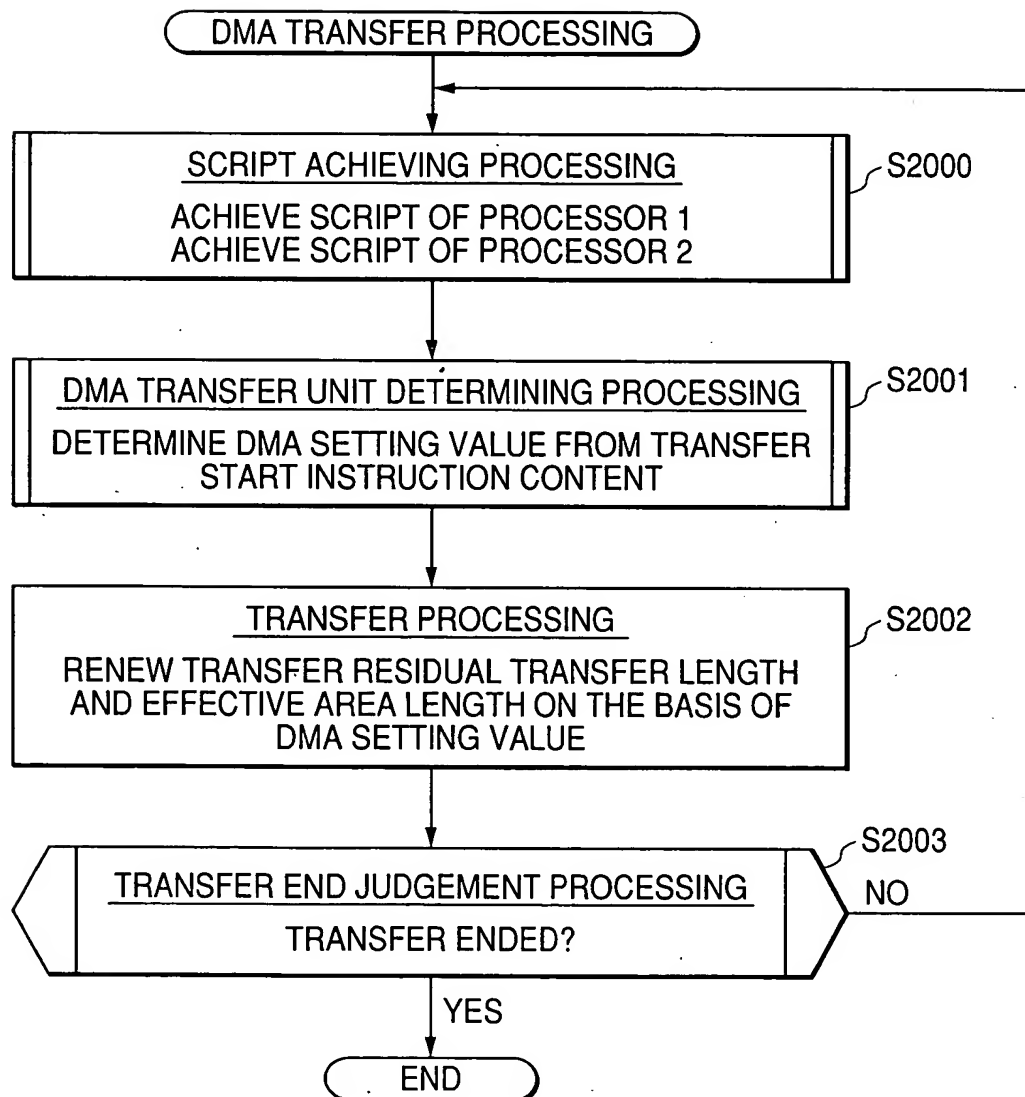
FIG. 20

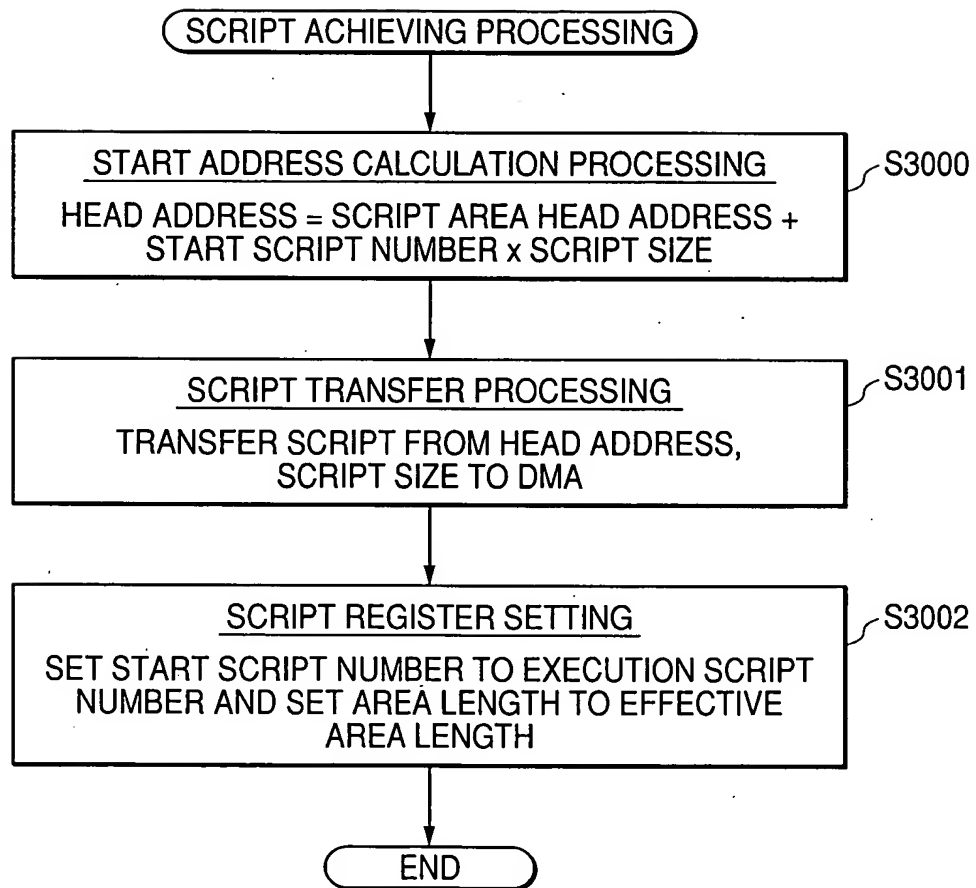
FIG. 21

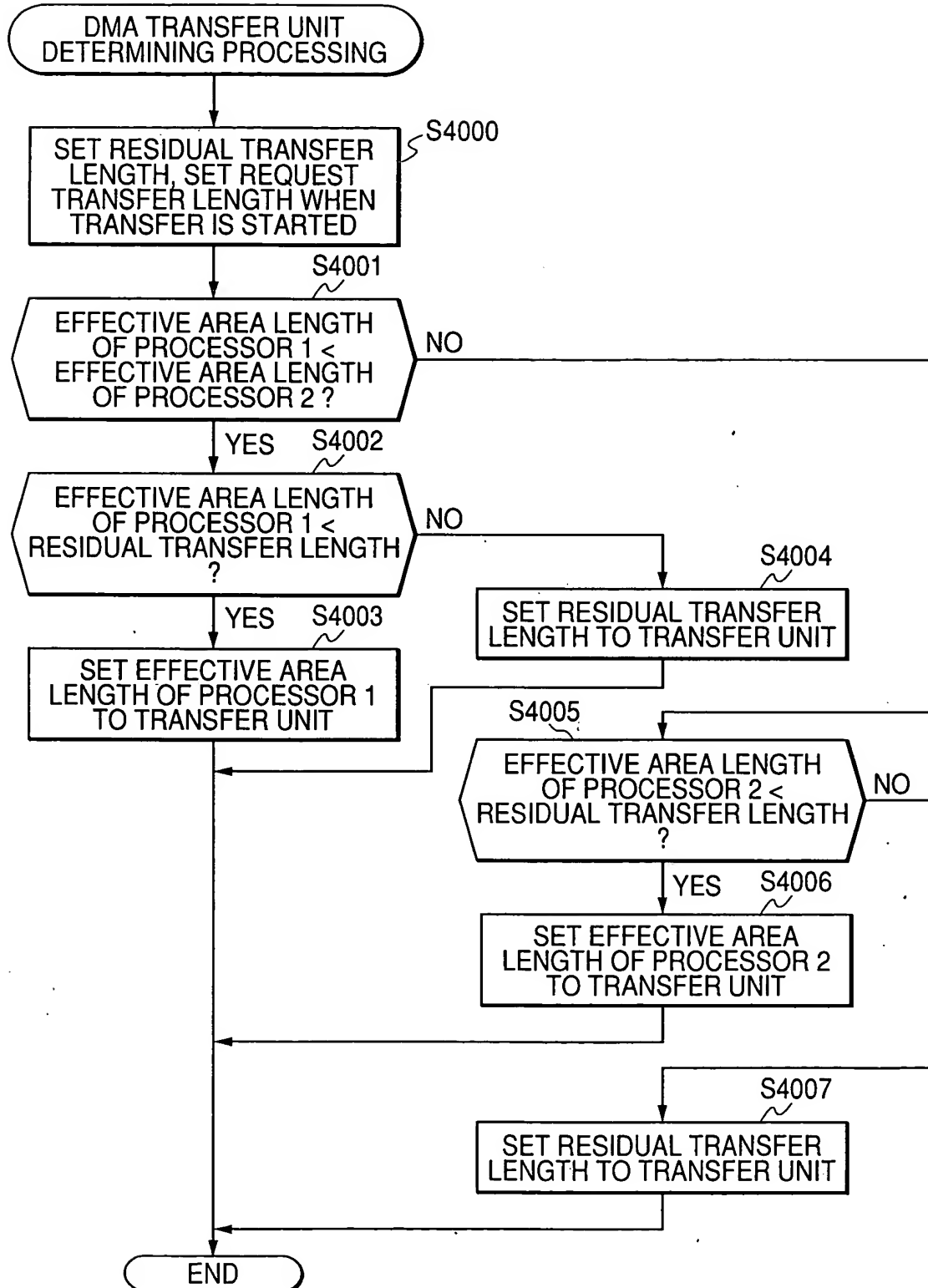
FIG. 22

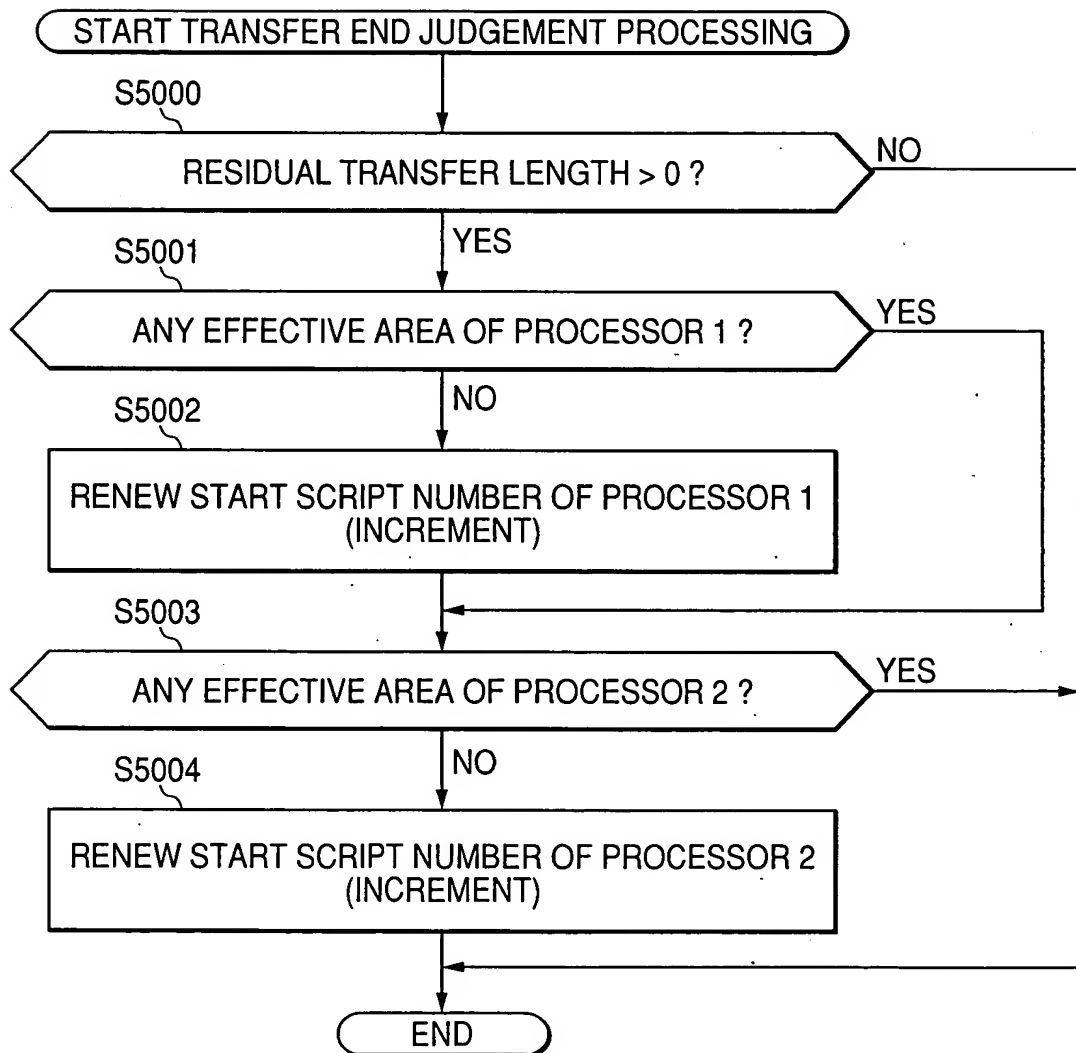
FIG. 23

FIG. 24

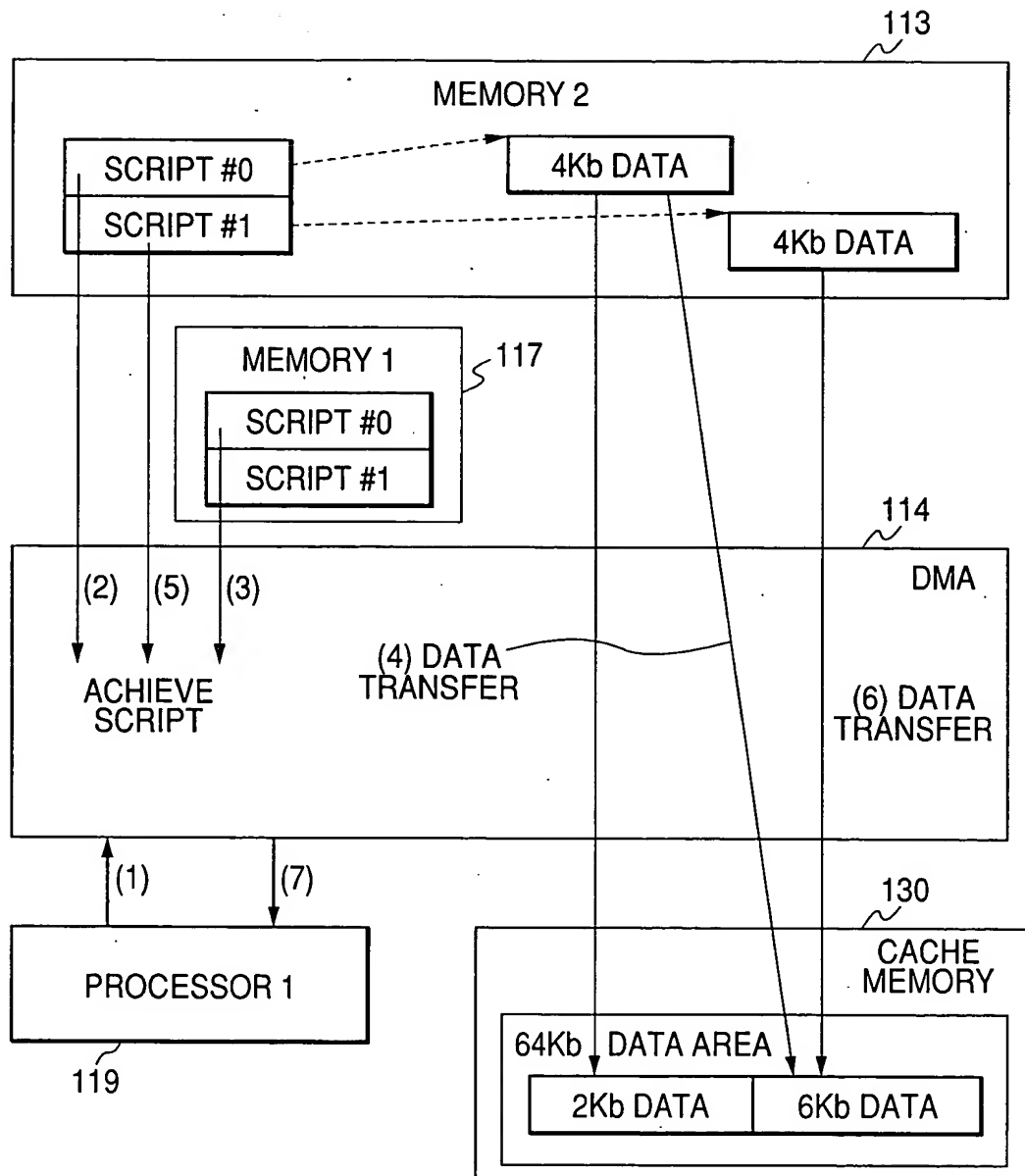


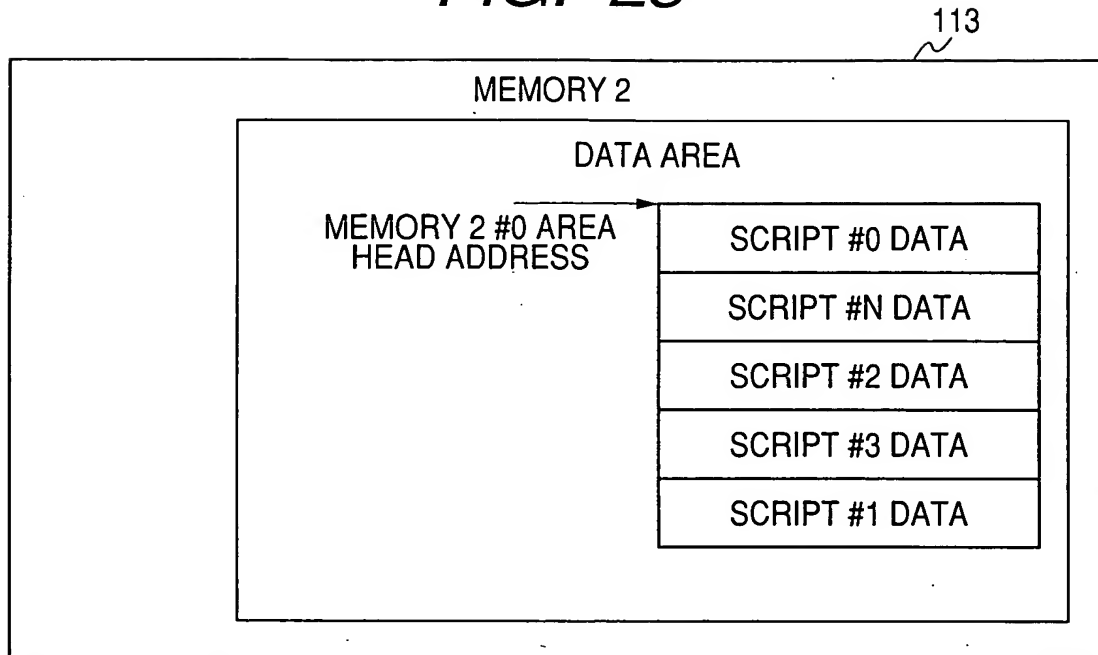
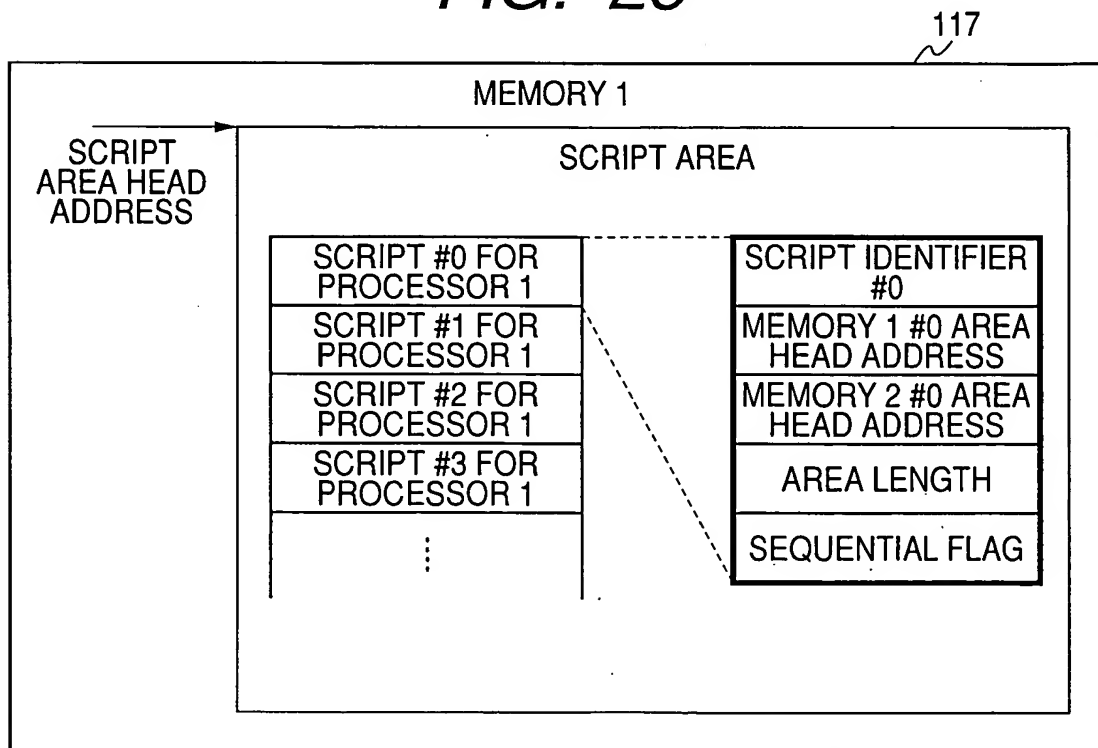
FIG. 25**FIG. 26**

FIG. 27

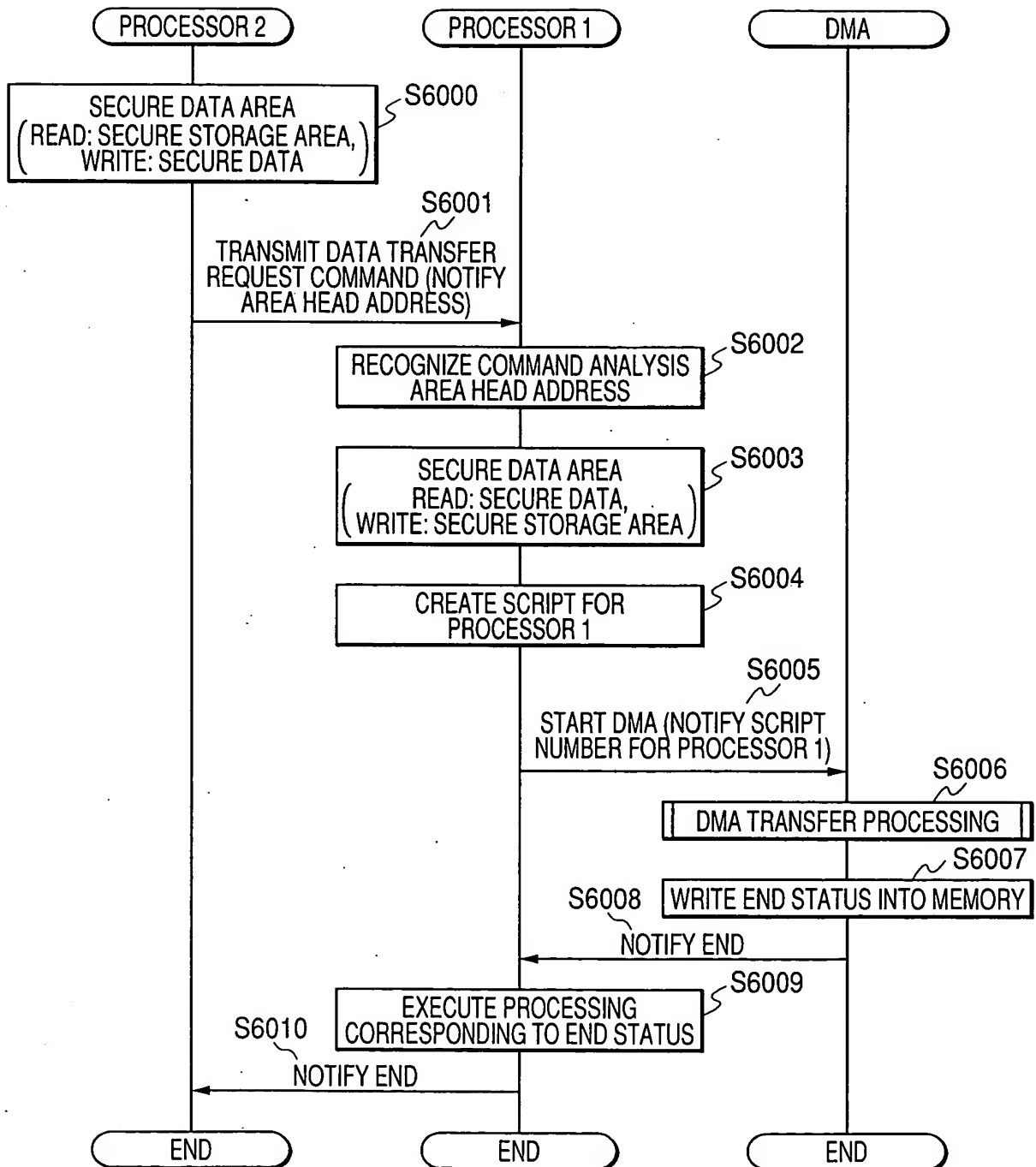


FIG. 28

